

PulpVision – stickies and dirt analyzer

Real-time contaminant measurement



ANDRITZ PulpVision is a continuous pulp analyzer for the pulp and paper industry. The analyzer is equipped with a high-speed camera for pulp image

capture and machine learning software for data analysis. PulpVision is installed in a bypass loop of the online process to quantify contaminants such as: stickies, dirt,

Styrofoam, etc. The measurement principle is based on a composite of multiple attributes, including color, reflectance, and translucence.

The challenge: To detect stickies and dirt in-line before they contaminate key processes

Not only can PulpVision monitor fiber furnish quality, it can monitor the performance of pulping process equipment and the quality of the pulp before it reaches the paper machine. PulpVision troubleshoots operations by measuring stickies and dirt levels and the size distribution of these at various process locations. Manual detection is replaced with automated detection of stickies and tracking of contamination levels. The PulpVision software can be tailored to each mill's unique stickies and dirt characterization.

Features

To help operators collect the best information, PulpVision's features include:

- Real-time in-line sensor, no operator bias
- Camera-based measurement
- Minimal maintenance
- Response time of less than one second
- Proprietary "flow-through" design and "adaptive thresholding"
- Insensitive to flocculation and air bubbles
- Measurements including ppm and count for both stickies and dirt

Specifications

Sampling

Single sample point/sensor

Installation requirements

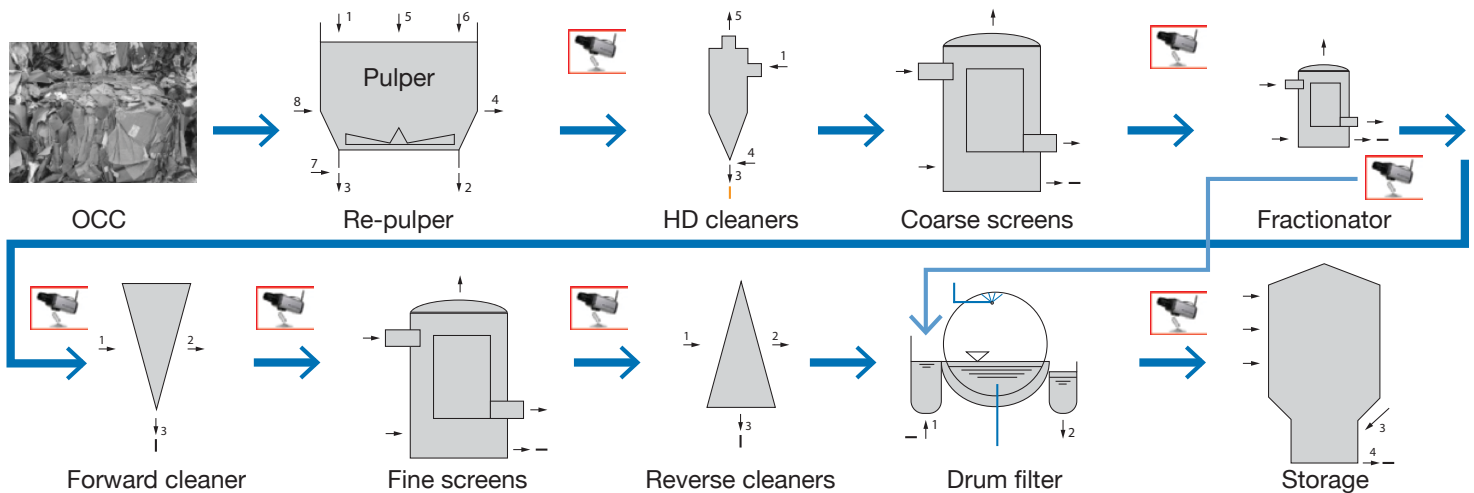
Input power	2.9 kVA
Input voltage	110/220 Vac
Input current	13 A
Short circuit current	5 kA
Water: Flush water	80-100 psi
Dilution water	80 psi
Piping: Sample line	1 1/4 inch
Design temperature	35 °C
System protection	IP54

Connections

- Data: Ethernet connection
- OPC DA connectivity
- 4-20 mA signal output (optional)

Benefits

- Protect machinery, storage tank, and stock preparation circuits against stickies and dirt contamination
- Replace manual detection with automated tracking of contamination levels and automated stickies detection



ANDRITZ Inc.
Atlanta, GA, USA
Phone: +1 (404) 370 1350

Austria: Vienna | Brazil: Belo Horizonte, Curitiba | Canada: Nanaimo, Prince George, Richmond, Terrace
Chile: Santiago | Finland: Kotka, Tampere, Varkaus | India: Bangalore | USA: Bellingham, Montoursville

www.andritz.com
automation-sales@andritz.com